

**BrM Pointers  
and  
Frequently Asked Questions**

**Updated 12/11/2015**



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## **Most common complaint about BrM:**

*The ... application "crashes".*

In most cases, when people experience a BrM crash, what has really happened is BrM "timed out". It is set to log-off if there is no Saving or screen updating for 10 minutes. So if you are on one page for a while doing input just be sure to hit Save now and then to avoid losing your work.

## Navigation and System Basics:

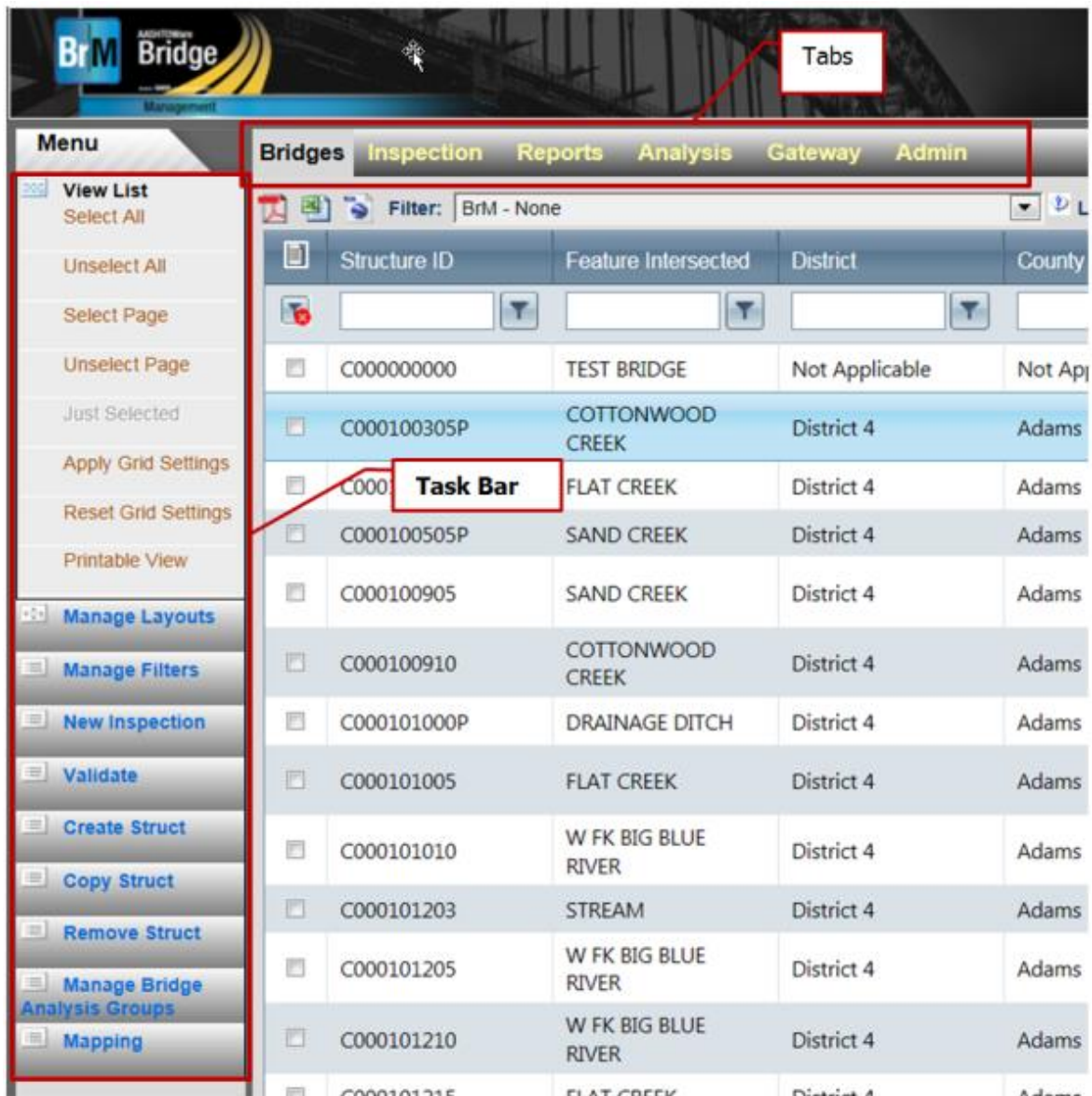
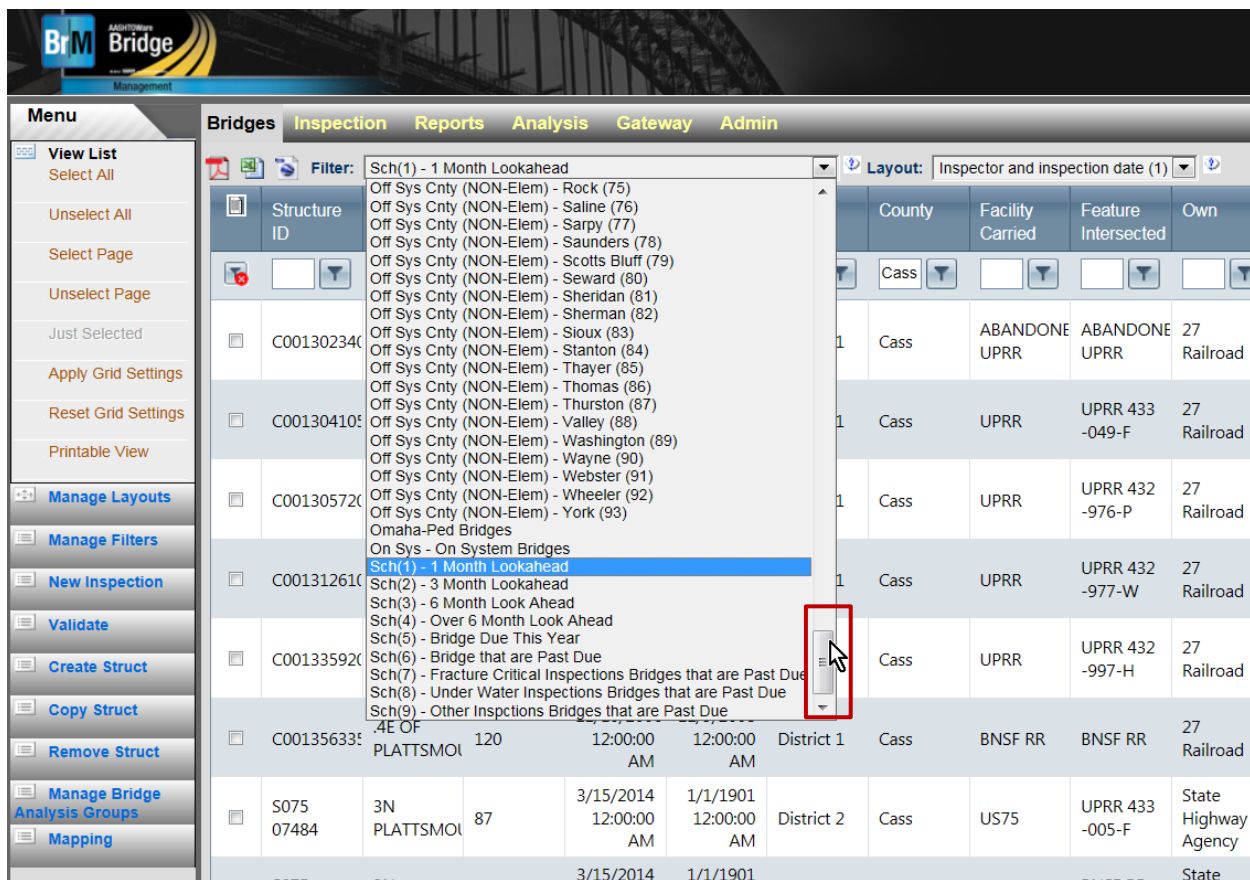


Figure 1 Parts of the screen. Tabs and Task Bar

Some of the items show in Figure 1 in the Task Bar and Tabs are only available with administrative access.

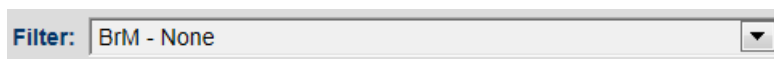
## Data Filters

Data Filters can be used to select relevant groups of data from the data base. Figure 2 shows some of the Data Filtering options. Use the Filter dropdown menu slide bar to see all filtering options.



**Figure 2 Filtering Menu Options**

The most inclusive filter is the BrM-None filter shown in Figure 3.



**Figure 3 the most inclusive filter option.**

To view only active bridges use the BrM – Active Status filter. Note that NDOR does retain records of inactive bridges in BrM.

Layouts determine the column headings. Some of the layouts can be customized and new layouts can be created. Please contact NDOR Bridge Data and Inventory Section if layout modification could better serve your purposes.

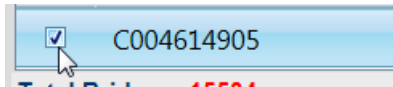


Column filters can be used in conjunction with Data filters and Layouts to narrow the search for relevant information. In Figure 5 Column Filters are used with a 1 Month Look-ahead Data Filter to see structures that are in Merrick County and not owned by the Railroad that should be inspected in the next month.



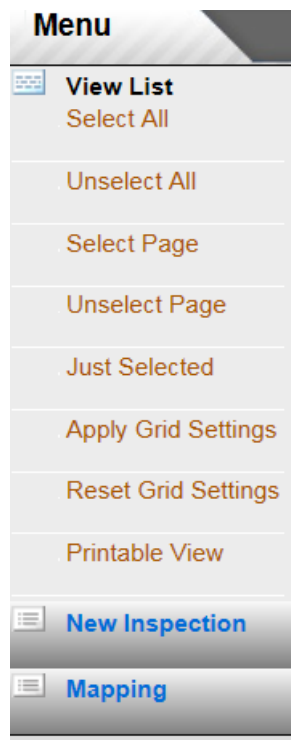
## Selecting and Unselecting Bridges

Any visible bridges can be selected or unselected by double clicking the row or clicking in the check box on the bridge list as shown in Figure 6.



**Figure 6 Manually selecting a structure**

The selection options on the Taskbar menu shown in Figure 7 can be used to select and deselect larger numbers of bridges. Note that only bridges that bridges can not be deselected if they have been hidden by a filter. To unselect all bridges it may first be necessary to remove data filters that have been applied.



**Figure 7 Selection Options in the Taskbar**

The total number of structures selected with the use of Data and Column Filters is shown at the bottom right of the screen as can be seen in Figure 8. If the total number can be displayed on one page then this area is blank.



BrM Bridge

Management

Menu

View List

Select All

Unselect All

Select Page

Unselect Page

Just Selected

Apply Grid Settings

Reset Grid Settings

Printable View

Manage Layouts

Manage Filters

New Inspection

Validate

Create Struct

Copy Struct

Remove Struct

Manage Bridge Analysis Groups

Mapping

Bridges

Inspection

Reports

Analysis

Gateway

Admin

Filter: SCH(1) - 1 Month Lookahead

Layout: Inspector and inspection date (1)

Jump to Bridge:

Structure ID	Location	Inspector (inspus/key)	Insp Date	Next Insp	District	County	Facility Carried	Feature Intersected	Own	Maint	Built	SD / FO Status	Inspection Type	Open/Poste	On NHS?	Design load	Insp event Status	
<input type="checkbox"/>	C00610050	4W 2.2S CHAPMAN	153	12/3/2012 12:00:00 AM	12/3/2014 12:00:00 AM	District 4	Merrick	COUNTY ROAD 3	WARM SLOUGH	County Hwy Agency	County Hwy Agency	1961	Structurally Deficient	NBI Only	K Closed to all traffic	0 Not on NHS	Unknown (NBI)	Locked
<input type="checkbox"/>	C00610080	2.6E 2.3N SILVER CREEK	316	5/7/2013 12:00:00 AM	5/7/2015 12:00:00 AM	District 4	Merrick	COUNTY ROAD DD	PRAIRIE CREEK	County Hwy Agency	County Hwy Agency	1941	Structurally Deficient	NBI Only	P Posted for load	0 Not on NHS	5 MS 18 (HS 20)	Locked
<input type="checkbox"/>	C00610090	2W 3.6S CHAPMAN	153	11/27/2012 12:00:00 AM	11/27/2014 12:00:00 AM	District 4	Merrick	COUNTY ROAD 5	WOOD RIVER	County Hwy Agency	County Hwy Agency	1952	Structurally Deficient	NBI Only	K Closed to all traffic	0 Not on NHS	Unknown (NBI)	Locked
<input type="checkbox"/>	C00610130	2S CHAPMAN	316	5/6/2013 12:00:00 AM	5/6/2015 12:00:00 AM	District 4	Merrick	COUNTY ROAD 7	WOOD RIVER	County Hwy Agency	County Hwy Agency	1991	Functionally Obsolete	NBI Only	P Posted for load	0 Not on NHS	5 MS 18 (HS 20)	Locked
<input checked="" type="checkbox"/>	C00610141	3S 8W SILVER CREEK	237	8/28/2008 12:00:00 AM	8/28/2010 12:00:00 AM	District 4	Merrick	COUNTY ROAD AA	SILVER CREEK	County Hwy Agency	County Hwy Agency	1953	Structurally Deficient	NBI Only	K Closed to all traffic	0 Not on NHS	Unknown (NBI)	Locked
<input type="checkbox"/>	C00610360	1S 8W ARCHER	316	5/6/2013 12:00:00 AM	5/6/2015 12:00:00 AM	District 4	Merrick	COUNTY ROAD P	PRAIRIE CREEK	County Hwy Agency	County Hwy Agency	1940	Functionally Obsolete	NBI Only	P Posted for load	0 Not on NHS	5 MS 18 (HS 20)	Locked
<input type="checkbox"/>	C00610380	7.3N 5W CHAPMAN	153	11/30/2009 12:00:00 AM	11/30/2011 12:00:00 AM	District 4	Merrick	COUNTY ROAD O	PRAIRIE CREEK	County Hwy Agency	County Hwy Agency	1975	Structurally Deficient	NBI Only	K Closed to all traffic	0 Not on NHS	6 MS18 (HS20) +mod	Locked
<input type="checkbox"/>	C00610390	3.7E 1.4N CENTRAL CITY	316	5/6/2013 12:00:00 AM	5/6/2015 12:00:00 AM	District 4	Merrick	COUNTY ROAD 20	WARM SLOUGH	County Hwy Agency	County Hwy Agency	1968	Functionally Obsolete	NBI Only	P Posted for load	0 Not on NHS	5 MS 18 (HS 20)	Locked
<input type="checkbox"/>	C00610471	2.6N CLARKS	316	5/6/2013 12:00:00 AM	5/6/2015 12:00:00 AM	District 4	Merrick	COUNTY ROAD 24	SILVER CREEK	County Hwy Agency	County Hwy Agency	1958	Functionally Obsolete	NBI Only	P Posted for load	0 Not on NHS	5 MS 18 (HS 20)	Locked

Total Bridges: 16517

Matching Filter: 992

19 items in 3 pages

Figure 8. Bottom Right of screen shows total number of structures found by use of filters.

## Exporting Information from BrM

Bridge information can be exported to a PDF, an Excel file or a KMZ file for viewing on Google Earth. Exports to PDFs or Excel will contain the column headings shown by the Layout. All selected bridges can be exported to these file formats by clicking the icons shown in Figure 10.



Figure 10 Bridge Information Export icons



## Layout Export Example

This is the Layout that contains Lat Long and other information:

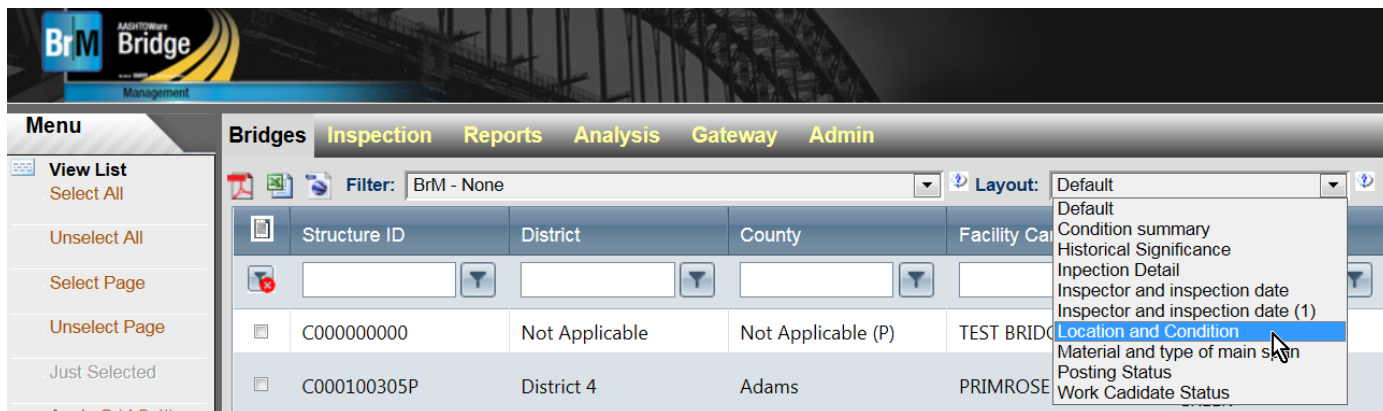
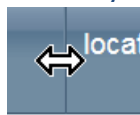


Figure 11 Choosing a Layout

The columns for the Location and Condition Layout may appear very narrow.

You can widen them by hovering your cursor over the column dividers and when you see this



cursor symbol just click and hold then pull the column wider.

Figure 12 shows how to set the filters to see bridges in Webster County that are owned by the County by using the "Starts With" filter:

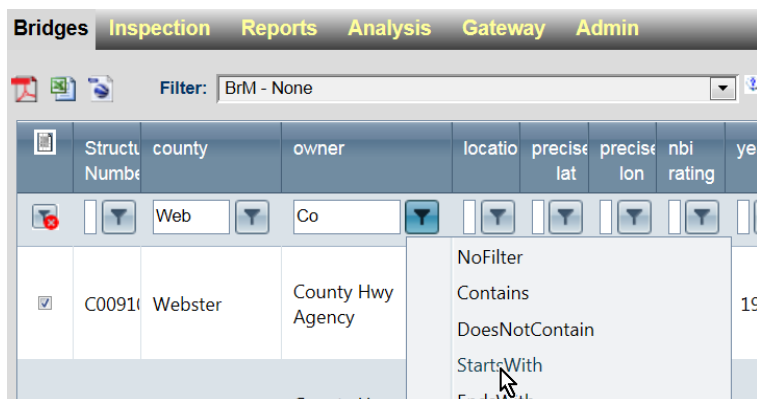


Figure 12 Example of using the "Starts With" filter

Using "Select All" from the Task Bar as shown in Figure 13 will select all bridges that have not been hidden by the filters.

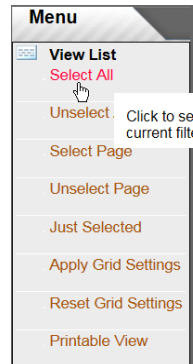


Figure 13

After bridges are selected they can be exported to a PDF, Excel or a KMZ file for viewing in Google Earth by using the icons shown in Figure 14.

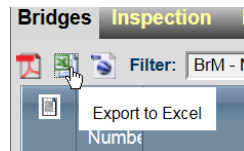


Figure 14

If you export to Excel, when you save be sure to change the file type to a .xls or .xlsx.

## Create a Report

Step 1: Select a bridge or a group of bridges then Click the Reports Tab.

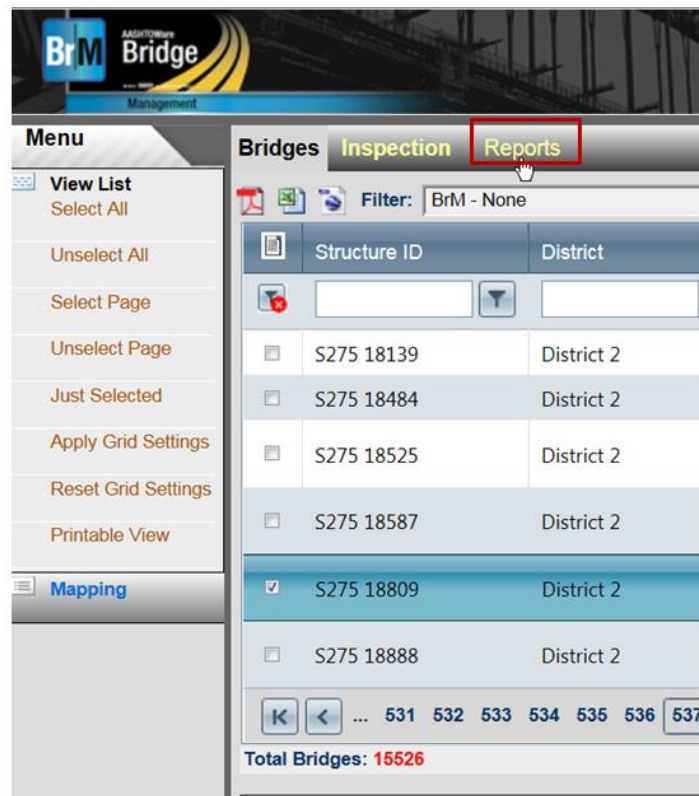


Figure 15 Example of Selecting S275 18809

Step 2: Select the Report

For complete inventory and appraisal information the SI&A report is a good choice.

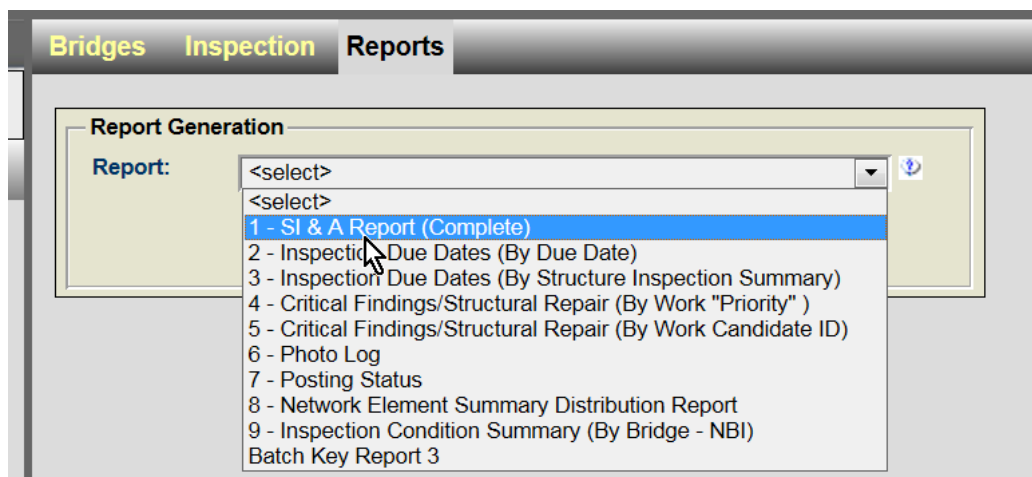


Figure 15 Showing the Report selection options

Step 3:

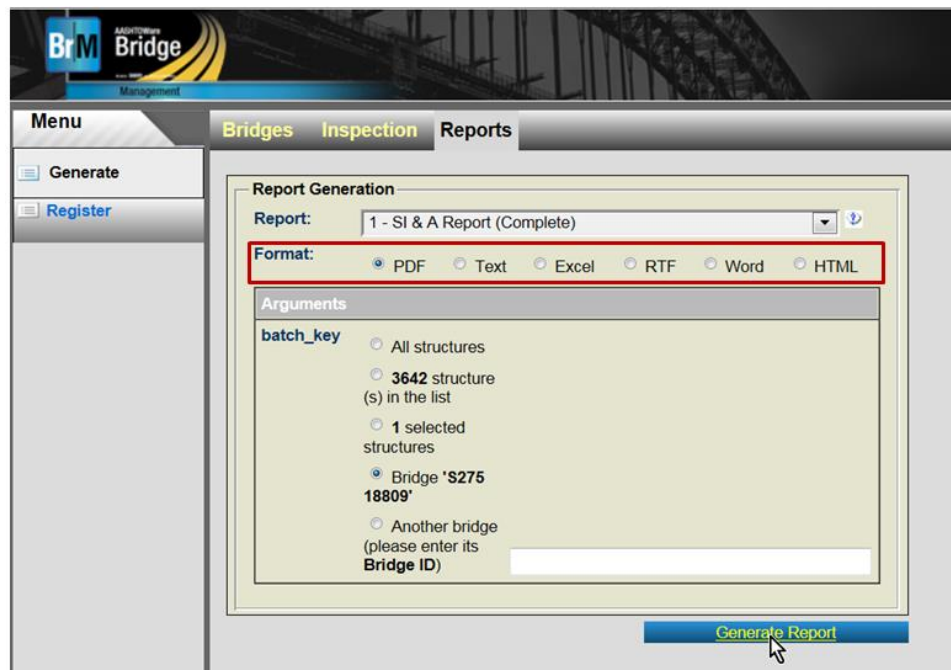


Figure 16 Showing format options for Reports

## Creating New Inspections

### Regular NBI Inspections

To create a new Regular NBI Inspection first select the bridge in the Bridge Tab then select New Inspection in the Task Bar as shown in Figure 17.

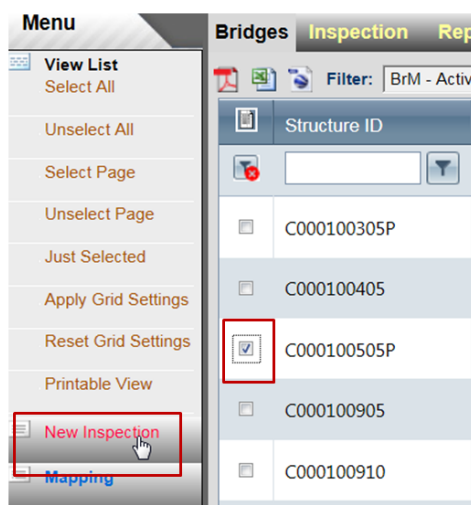


Figure 17

Bridges

Inspection

Reports

Previous inspections for Bridge C000100505P

Key	Date	Type	Inspector	Control Group
<input checked="" type="radio"/> WBFN	2/24/2014	Regular NBI	ES5320 (254)	none
<input type="radio"/> QEAY	10/1/2013	Regular NBI	ES5320 (254)	ACF
<input type="radio"/> ODYR	10/11/2011	Regular NBI	ES5320 (254)	ACF
<input type="radio"/> FQND	11/5/2009	Regular NBI	DM4441 (86)	-1
<input type="radio"/> CWKR	10/1/2007	Regular NBI		
<input type="radio"/> AZHQ	10/1/2005	Regular NBI		
<input type="radio"/> PTQZ	10/1/2003	Regular NBI		
<input type="radio"/> TLNY	10/1/2001	Regular NBI	PontisAdmin (227)	-1
<input type="radio"/> ZEJU	11/1/1999	Regular NBI	PontisAdmin (227)	-1
<input type="radio"/> VSRO	12/1/1997	Regular NBI	PontisAdmin (227)	-1

By default, the new inspection will be based on the most recent previous inspection.

For bridges that don't require Element Inspection, please unselect the Element Inspection.

Create New Inspection

Primary Type:

Regular NBI

Duplicate Previous:

☒

Create

Cancel

National Bridge Inventory:

☒

Element Inspection:

☐

Fracture Critical:

☐

Underwater:

☐

Other Special:

☐

Figure 18 Creating a Regular NBI Inspection

After selecting Create, please select your Inspection Group from the dropdown menu and check to see that the date that is shown for the Next Inspection is correct as shown in Figure 19.

**Bridges**   **Inspection**   **Reports**

Bridge: C000100505P   Facility Carried (007): CONSTITUTION AVE.   New InspKey: DEEX   Insp Date (090): 12

---

Inspection Date (090): 12/11/2015

Inspector: K.Miller (NBI)(489)

Primary Type: Regular NBI

Inspection Group: None

National Bridge Inventory: ☒

Element: ☐

Fracture Critical: ☐

Underwater: ☐

Other Special: ☐

**Schedule**

COLLINS  
 HDR  
 HGM  
 HNTB  
 INFRASTRUCTURE ENGINEERS  
 JEO  
 JOHNSON ENGINEERING  
 KMA  
 MILLER  
 MWA  
**NDOR**  
 None  
 NVC  
 OLSSON  
 SCHEMMER  
 S-L

Previous Date	Frequency (months)	Next Date
4/2014	(091): 24	12/11/2017
1/1901		1/1/1901
1/1901	(092AB):	1/1/1901
1/1901	(092BB):	1/1/1901
1/1901	(092CB):	1/1/1901

Calculate Previous   Calculate Next

Element Con

Fracture Critical (0)

Underwater (0)

Other Special (0)

Figure 19 Selecting Inspection Group and Checking the Next Inspection Date

After Saving and Closing the new Inspection Record is ready for entry of new appraisal information.